

Doc code :IDS

Doc description: Information Disclosure Statement (IDS) Filed

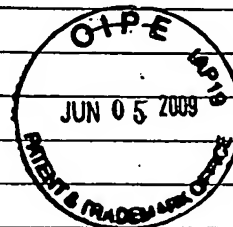
PTO/SB/08a (08-08)

Approved for use through 08/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach	
	Art Unit	1616	
	Examiner Name	Brown, Courtney A.	
	Attorney Docket Number	38184.03402US	



U.S. PATENTS						
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	6514512	US	2003-02-04	G. Puterka	
	2	3968276	US	1976-07-06	Allen, William R.	
	3	3535423	US	1970-10-20	Ordas	
	4	4142009	US	1979-02-27	Kyle Colin.	
	5	6123756	US	2000-09-26	Poppen	
	6	6306202	US	2001-10-23	West	
	7	5990043	US	1999-11-23	Kugler	
	8	6585989	US	2003-07-01	Herbst	

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Not for submission under 37 CFR 1.99)

Application Number		10821326
Filing Date		2004-04-09
First Named Inventor	Leach	
Art Unit	1616	
Examiner Name	Brown, Courtney A.	
Attorney Docket Number	38184.03402US	

	9	5484934	US	1996-01-16	Ikeda	
	10	6485790	US	2002-11-26	Walker	
	11	1388513	US	1921-08-23	Chandler	
	12	6558685	US	2003-05-06	Kober	
	13	7449130	US	2008-11-11	Lloyd	
	14	5879025	US	1999-03-09	Blumenthal	
	15	1999458	US	1935-04-30	Hollister	
	16	5763364	US	1998-06-09	Frisch	
	17	3622377	US	1971-11-23	Conner	
	18	4003994	US	1977-01-18	Downer et al.	
	19	6579354	US	2003-06-17	West	

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326	
	Filing Date		2004-04-09	
	First Named Inventor	Leach		
	Art Unit	1616		
	Examiner Name	Brown, Courtney A.		
	Attorney Docket Number		38184.03402US	

	20	5438034	US	1995-08-01	Walker	
	21	5874025	US	1999-02-23	Heuer et al.	
	22	6139879	US	2000-10-31	Taylor	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050013939	US	2005-01-20	Venden	
	2	20050182152	US	2005-08-18	Nonninger et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1	03/103392	WO		2003-12-18	Nonninger		<input type="checkbox"/>
	2	02/06417	WO		2002-01-24	U.S. Borax Inc.		<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach	
	Art Unit	1616	
	Examiner Name	Brown, Courtney A.	
	Attorney Docket Number	38184.03402US	

	3	00/05955	WO		2000-02-10	Dr. Wolman GMBH		<input type="checkbox"/>
--	---	----------	----	--	------------	-----------------	--	--------------------------

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T ⁵
	1	Backman P. A. et al., The Effects of Particle Size and Distribution on Performance of the Fungicide Chlorothalonil, Phytopathology, St. Paul, MN, US, Vol. 66, No. 10, 1 January 1, 1976, pages 1242-1245, XP009062911	<input type="checkbox"/>
	2	Supplementary European Search Report for PCT/US2005/016503 dated February 2, 2009	<input type="checkbox"/>
	3	Supplementary European Search Report for PCT/US2005/037303 dated February 5, 2009	<input type="checkbox"/>
	4	Koch, C.C., Synthesis of Nanostructured Materials by Mechanical Milling: Problems and Opportunities, NanoStructured Materials, Vol. 9, pp. 13-22, 1997	<input type="checkbox"/>
	5	AWPA Standard E7-01, 2006	<input type="checkbox"/>
	6	AWPA Standard E10-1, 2005	<input type="checkbox"/>
	7	The Merck Index (12th Ed. 1996) Merck & Co., Inc., pp 1555-1556	<input type="checkbox"/>
	8	Davis, Food Storage and Preservative-Treated Wood, Alaska Science Forum (March 10, 1980) (online) [retrieve on 2008-11-10]. URL: http://www.gi.alaska.edu/Science Forum/ASF3/380.htm/	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach	
	Art Unit	1616	
	Examiner Name	Brown, Courtney A.	
	Attorney Docket Number	38184.03402US	

9	STN online, file SCISEARCH, Acc. No. 1993:540390 (Siegfried, Comparative Toxicity of Pyrethroid Insecticides to Terrestrial and Aquatic Insects, Environmental Toxicology and Chemistry (1993), Vol. 12, No. 9, pp. 1683-1689), Abstract	<input type="checkbox"/>
10	Schultz, T. P., et al., A Brief Overview of Non-Arsenical Wood Preservative, American Chemical Society, Chapter 26, pp. 420-429, 2003	<input type="checkbox"/>
11	S. E. A. McCallan, The Nature of the Fungicidal Action of Copper and Sulfur, The Botinical Review, pp 629 - 643, August 30, 1948	<input type="checkbox"/>
12	M. Humar et al., Influence of Moisture Content on EPR Parameters of Copper in Impregnated Wood, Holz als Roh- und Werkstoff 59 (2001) 254-255	<input type="checkbox"/>
13	M. Humar et al., Changes of the pH of Impregnated Wood During Exposure to Wood-Rotting Fungi, Holz als Roh- und Werkstoff 59 (2001) 288-293	<input type="checkbox"/>
14	A. Pizzi, A New Approach to Non-Toxic, Wide-Spectrum, Ground-Contact Wood Preservatives. Part I. Approach and Reaction Mechanisms, Holzforschung 47 (1993) 253-260	<input type="checkbox"/>
15	A. Pizzi, A New Approach to Non-Toxic, Wide Spectrum, Ground-Contact Wood Preservatives. Pat II. Accelerated and Long-Term Field Tests, Holzforschung 47 (1993) 343-348	<input type="checkbox"/>
16	Stan Lebow, et al., Fixation Effects on the Release of Copper, Chromium and Arsenic From CCA-C Treated Marine Piles, Report Prepared for American Wood-Preservers' Association Subcommittee P-3, Piles, August, 1999, pp 168-174	<input type="checkbox"/>
17	Izabela Ratajczak, et al., Fixation of Copper(II)-Protein Formulation in Wood: Part 1. Influence of Tannic Acid on Fixation of Copper in Wood, Holzforschung, Vol. 62, pp. 294-299, 2008	<input type="checkbox"/>
18	S. N. Kartal, et al., Do the Unique Properties of Nanometals Affect Leachability or Efficacy Against Fungi and Termites?, International Biodeterioration & Biodegradation 63 (2009) 490-495	<input type="checkbox"/>
19	H. Kubel, et al., The Chemistry and Kinetic Behaviour of Cu-Cr-As/B Wood Preservatives - Part 5. Reactions of CCB and Cellulose, Lignin and their Simple Model Compounds, Holzforschung und Holzverwertung 34 (1982) 4, pp. 75 - 83	<input type="checkbox"/>

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach	
	Art Unit	1616	
	Examiner Name	Brown, Courtney A.	
	Attorney Docket Number	38184.03402US	

	20	A. Pizzi, et al., The Chemistry and Kinetic Behaviour of Cu-Cr-AS/B Wood Preservatives - Pat 6. Fixation of CCB in Wood and Physical and Chemical Comparison of CCB and CCA, Holzforschung und Holzverwertung 34 (1982) 5, pp. 80 - 86	<input type="checkbox"/>
	21	Raul A. Wapnir, Copper Absorption and Bioavailability, Am J Clin Nutr 1998; 67(suppl.): 1054S-60S	<input type="checkbox"/>
	22	Gadi Borkow, et al., Copper As A Biocidal Tool, Proceedings, Ninety-Fifth Annual Meeting of the American Wood-Preservers' Association, Vol. 95, May 16-19, 1999	<input type="checkbox"/>
	23	H. S. Rathore, et al., Fungicide and Herbicide Residues in Water, Handbook of Water Analysis, pp. 608-654, Handbook of Water Analysis, 2000	<input type="checkbox"/>
	24	T.C. Crusberg, et al., Biomineralization of Heavy Metals, pp. 409-417, 2004	<input type="checkbox"/>
	25	5.1 Inorganic Fungicides - 5.1.1 Metal Salts, Pesticide Chemistry, pp. 272 -486, 1988	<input type="checkbox"/>
	26	R. Thompson, CBE, The Chemistry of Wood Preservation, February 28 - March 1, 1991	<input type="checkbox"/>
	27	H. M. Barnes, et al., The Impact of Test Site and Oil Content on the Performance of Pentachlorophenol-treated Wood, Forest Products Journal, Vol. 56, No. 5, pp 43-47, May 2006	<input type="checkbox"/>
	28	J.J. Morrell, Wood Pole Maintenance Manual (1996 Edition), Research Contribution 15, October 1996, pg. 22	<input type="checkbox"/>
	29	Helmuth Rech, Location of Pentachlorophenol by Electron Microscopy and Other Techniques In Cellon Treated Douglas-Fir, Forest Products J. 21/1, pp. 38-43, January 1971	<input type="checkbox"/>
	30	M. Humar, et a., Effect of Oxalix, Acetic Acid, and Ammonia on Leaching of Cr and Cu from Preserved Wood, Wood Sci Technol 37 (2004) 463-473	<input type="checkbox"/>

JUN 05 2009

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0851-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach, Robert M.	
	Art Unit	1616	
	Examiner Name	David Paul Stitzel	
	Attorney Docket Number	011474.00328	

U.S. PATENTS

Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	1999458		1935-04-30	Hollister	
	2	5763364		1998-06-09	Frisch et al.	

If you wish to add additional U.S. Patent citation information please click the Add button.

U.S. PATENT APPLICATION PUBLICATIONS

Examiner Initial*	Cite No	Publication Number	Kind Code ¹	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear
	1	20050182152	A1	2005-08-18	Nonninger et al.	

If you wish to add additional U.S. Published Application citation information please click the Add button.

FOREIGN PATENT DOCUMENTS

Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²	Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T ⁵
	1							<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

NON-PATENT LITERATURE DOCUMENTS

JUN 05 2009

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach, Robert M.	
	Art Unit	1616	
	Examiner Name	David Paul Stitzel	
	Attorney Docket Number	011474.00328	

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T5
	1		<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

EXAMINER SIGNATURE

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Not for submission under 37 CFR 1.99)	Application Number		10821326
	Filing Date		2004-04-09
	First Named Inventor	Leach	
	Art Unit	1616	
	Examiner Name	Brown, Courtney A.	
	Attorney Docket Number	38184.03402US	

If you wish to add additional non-patent literature document citation information please click the Add button			
EXAMINER SIGNATURE			
Examiner Signature		Date Considered	
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>			
<p>¹ See Kind Codes of USPTO Patent Documents at www.USPTO.GOV or MPEP 901.04. ² Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁴ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵ Applicant is to place a check mark here if English language translation is attached.</p>			